Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/09/2022 10:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123319	-2	5.75	123302	5.63
Blue	F	SSC	125000	123236	-2	6.08	123867	6.12
Blue	E	FITC	13602	13140	-4	6.1 (1)	368	15.58
Blue	D	PE	24891	24442	-2	5.96	581	12.45
Blue	B	PerCP-Cy5-5	33972	32998	-3	6.56	944	16.9
Blue	A	PE-Cy7	22865	22217	-3	8.62	462	34.53
Red	C	APC	47198	46532	-2	5.16	1608	13.06
Red	A	APC-Cy7	26454	25469	-4	5.99	716	14.01
Violet	B	V450	6737	6272	-7	7.53 (2)	441	14.29
Violet	A	V500	29317	27853	-5	7.3	954	11.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23288	6.25	574	39	N/A	N/A	Pass
Blue	F	SSC	54064	6.04	526	5	N/A	N/A	Pass
Blue	E	FITC	54	58.52	495	11	0.0359	137	Pass
Blue	D	PE	110	44.29	499	13	0.4064	434	Pass
Blue	B	PerCP-Cy5-5	143	45.96	595	16	0.0173	89	Pass
Blue	A	PE-Cy7	74	91.24	641	20	0.0182	6	Pass
Red	C	APC	331	28.11	581	9	0.0236	142	Pass
Red	A	APC-Cy7	131	38.8	559	8	0.0058	1735	Pass
Violet	B	V450	73	55.6	451	1	0.0465	2728	Pass
Violet	A	V500	110	37.07	472	3	0.0222	1376	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.64	-31.17	1.15
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.32	13.90 - 20.86	N/A	N/A	29.60	29.94	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12487

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments